## CLAIMS

1. An anti-HIV agent which comprises a mannose binding protein (MBP) as an active component.

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- 2. The anti-HIV agent according to claim 1 wherein said MBP has HIV proliferation suppressive activity.
- 3. The anti-HIV agent according to claim 2 wherein said proliferation suppressive activity is HIV neutralizing activity.
- The anti-HIV agent according to claim 2 wherein said proliferation suppressive activity is HIV budding suppressive activity.
  - 5. The anti-HIV agent according to claim 1 or 2 wherein said MBP is isolated and purified from a human serum.
- 6. The anti-HIV agent according to claim 1 or 2 wherein said MBP is genetically secreted from an animal cell.
  - 7. The anti-HIV agent according to claim 6 wherein said animal cell is Chinese Hamster Ovary cell.
  - 8. The anti-HIV agent according to claim 1 or 2 wherein said HIV is an HIV strain belonging to Subtype B of Group M of HIV Type 1.
- 9. The anti-HIV agent according to claim 1 or 2 wherein said HIV is an HIV strain belonging to Subtype D of Group M of HIV Type 1.
- 10. The anti-HIV agent according to claim 1 or 2 wherein 35 said HIV is a recombinant epidemic strain.
  - 11. The anti-HIV agent according to claim 10 wherein said recombinant epidemic strain is CRF01\_AE.
- 12. The anti-HIV agent according to claim 1 or 2 wherein said HIV is a virus having tropism toward CCR5.

- 13. The anti-HIV agent according to claim 1 or 2 wherein said HIV is a virus having tropism toward CXCR4.
- 14. The anti-HIV agent according to claim 1 or 2 wherein said HIV is a virus having tropism toward both CCR5 and CXCR4.
  - 15. The anti-HIV agent according to claim 1 or 2 wherein said HIV is a virus having tropism toward macrophage.
- 16. The anti-HIV agent according to claim 1 or 2 wherein said HIV is a virus having tropism toward T cell.
- 17. The anti-HIV agent according to claim 1 or 2 wherein said HIV is a virus having tropism toward both macrophage and 15 T cell.
  - 18. A method for evaluating an anti-HIV activity of MBP, the method comprises the steps of:
- (1) culturing HIV infected cells prepared by putting target20 cells under the presence of HIV;
  - (2) preparing clean cells by washing the infected cells;
  - (3) culturing the clean cells under the presence of MBP; and
- (4) determining p24 protein from HIV in the culture 25 supernatant.
  - 19. A method for evaluating an anti-HIV activity of MBP, the method comprises the steps of:
    - (a) culturing a first mixed system including HIV and MBP;
- 30 (b) culturing a second mixed system including target cells and MBP;
  - (c) preparing infected cells by combining said first mixed system and second mixed system;
    - (d) culturing the infected cells;

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- (e) preparing clean cells by washing the infected cells;
  - (f) culturing the clean cells; and
- (g) determining p24 protein from HIV in the culture supernatant.
- 20. The method according to claim 19 wherein said steps (a) and (b) are performed in parallel.

- 21. The method according to claim 19 or 20 wherein the clean cells are washed in said step (f) under the presence of MBP.
- 5 22. The method according to claim 18 or 19 wherein said anti-HIV activity is HIV proliferation suppressive activity.
- 23. The method according to claim 22 wherein said proliferation suppressive activity is HIV neutralizing activity.

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- 24. The method according to claim 22 wherein said proliferation suppressive activity is HIV budding suppressive activity.
- 25. The method according to claim 18 or 19 wherein said MBP is isolated and purified from a human serum.
- 26. The method according to claim 18 or 19 wherein said 20 MBP is genetically secreted from an animal cell.
  - 27. The method according to claim 26 wherein said animal cell is Chinese Hamster Ovary cell.
- 28. The method according to claim 18 or 19 wherein said HIV is an HIV strain belonging to Subtype B of Group M of HIV Type 1.
- 29. The method according to claim 18 or 19 wherein said 30 HIV is an HIV strain belonging to Subtype D of Group M of HIV Type 1.
  - 30. The method according to claim 18 or 19 wherein said HIV is a recombinant epidemic strain.
  - 31. The method according to claim 30 wherein said recombinant epidemic strain is CRF01\_AE.
- 32. The method according to claim 18 or 19 wherein said 40 HIV is a virus having tropism toward CCR5.

- 33. The method according to claim 18 or 19 wherein said HIV is a virus having tropism toward CXCR4.
- 34. The method according to claim 18 or 19 wherein said 5 HIV is a virus having tropism toward both CCR5 and CXCR4.
  - 35. The method according to claim 18 or 19 wherein said HIV is a virus having tropism toward macrophage.
- 10 36. The method according to claim 18 or 19 wherein said HIV is a virus having tropism toward T cell.
- 37. The method of the evaluation according to claim 18 or 19 wherein said HIV is a virus having tropism toward both 15 macrophage and T cell.
  - 38. MBP possessing an anti-HIV activity as determined by the method according to claim 18 or 19.
- 20 39. Use of an anti-HIV agent containing MBP as an active component for an HIV-infected individual.
- 40. Use of an anti-HIV agent according to claim 39 wherein said HIV-infected individual is a patient with a virus having tropism toward CCR5.